

Reg. No.:.....

**First Year MSc Nursing Degree Supplementary Examinations
January 2025**

**Nursing Research & Statistics
(Common for all specialties)
(2016 Scheme)**

Time: 3 hrs

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Write Section A (52 Pages) and Section B (32 Pages) in separate answer books. Do not mix up questions from Section A and Section B. • Draw Diagrams wherever necessary.*
- *The use of a simple calculator is allowed, but using scientific calculator or sharing any calculator is strictly prohibited under any circumstance.*

Q.P. Code: 113375

Section A – Nursing Research

Max. Marks: 75

Long Essays:

(2x15=30)

1. A researcher plans to carry out a study on "effectiveness of specialized nurse-led education program on post-operative complications among patients undergoing elective abdominal surgery". Identify an appropriate research design to be used. Explain the methodology. Describe the potential limitations and biases in the selected study design.
2. Explain the reliability and validity of data collection instruments. Describe the factors affecting reliability and validity

Short Essays:

(3x10=30)

3. Cohort study with example
4. Steps in conducting a Review of literature
5. Components of a research proposal

Short Notes:

(3x5=15)

6. Characteristics of a good research problem
7. Types of hypothesis with example
8. Advantages of qualitative research approach

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Section B – Statistics

Max. Marks: 25

Long Essays:

(10)

1. Given the following data for a frequency distribution with a class interval of 5, representing the exam scores of 30 students:
43, 56, 72, 61, 49, 78, 65, 83, 52, 88, 47, 69, 75, 54, 81, 59, 90, 62, 70, 67, 45, 66, 73, 85, 60, 50, 68, 64, 71, 80
Compute the frequency distribution table

Short Notes:

(3x5=15)

2. Rates and Ratios in health indicators
3. Difference between standard score and T score
4. Statistical measures related to fertility and morbidity.
